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Sympathetic nervous system and hypertension during prolonged $\text{TxA}_2/\text{PGH}_2$ receptor activation in rats

H. Gao, W. J. Welch, G. F. DiBona, and C. S. Wilcox

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B. E. Hunt, K. P. Davy, P. P. Jones, C. A. DeSouza, R. E. Van Pelt, H. Tanaka, and D. R. Seals

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H. M. Stauss, P. B. Persson, A. K. Johnson, and K. C. Kregel

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I_{to1} dictates behavior of $I_{\text{Cl(Ca)}}$ during early repolarization of canine ventricle

A. C. Zygmunt, D. C. Robitelle, and G. T. Eddlestone

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Endurance training does not affect intrinsic calcium current characteristics in rat myocardium

E. A. Mokolke, B. M. Palmer, J. Y. Cheung, and R. L. Moore

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Downregulation of cyclin-dependent kinase inhibitors p21 and p27 in pressure-overload hypertrophy

J.-M. Li and G. Brooks

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Ca^{2+} -dependent outward currents in myocytes from epicardial border zone of 5-day infarcted canine heart

R. Aggarwal, J. Pu, and P. A. Boyden

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Endothelin-1 ameliorates contractile depression by lipopolysaccharide in cardiac myocytes

S. Yasuda and W. Y. W. Lew

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Interrelating of ventricular pressure and intracellular calcium in intact hearts

D. Baran, K. Ogino, R. Stennett, M. Schnellbacher, D. Zwas, J. P. Morgan, and D. Burkhoff

H1509

Myocardial ischemia decreases oxidative phosphorylation through cytochrome oxidase in subsarcolemmal mitochondria

E. J. Lesnefsky, B. Tandler, J. Ye, T. J. Slabe, J. Turkal, and C. L. Hoppel

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- Localized cAMP-dependent signaling mediates β_2 -adrenergic modulation of cardiac excitation-contraction coupling (**Rapid Communication**)
Y.-Y. Zhou, H. Cheng, K. Y. Bogdanov, C. Hohl, R. Altschuld, E. G. Lakatta, and R.-P. Xiao H1611
- Sustained cardiomyocyte DNA synthesis in whole embryo cultures lacking the TSC2 gene product (**Rapid Communication**)
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- Length dependence of Ca^{2+} -tension relationship in aequorin-injected ferret papillary muscles
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- Catalase-overexpressing transgenic mouse heart is resistant to ischemia-reperfusion injury
G. Li, Y. Chen, J. T. Saari, and Y. J. Kang H1090
- Interstitial norepinephrine level by cardiac microdialysis correlates with ventricular contractility
T. Kawada, T. Yamazaki, T. Akiyama, T. Shishido, H. Miyano, T. Sato, M. Sugimachi, J. Alexander, Jr., and K. Sunagawa H1107
- Age-dependent augmentation of cardiac endothelial NOS in a genetic rat model of heart failure
F. H. Khadour, R. H. Kao, S. Park, P. W. Armstrong, B. J. Holycross, and R. Schulz H1223
- Selective chronic regulation of GLUT1 and GLUT4 content by insulin, glucose, and lipid in rat cardiac muscle in vivo
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- Influence of stimulation frequency on $[\text{Na}^+]_i$ and contractile function in Langendorff-perfused rat heart
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- Mechanical regulation of myocardial growth during volume-overload hypertrophy in the rat
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- Force-frequency effect is a powerful determinant of myocardial contractility in the mouse
V. Palakodeti, S. Oh, B.-H. Oh, L. Mao, M. Hongo, K. L. Peterson, and J. Ross, Jr. H1283

- Role of adenosine receptors in late preconditioning against myocardial stunning in conscious rabbits
C. Maldonado, Y. Qiu, X.-L. Tang, M. V. Cohen, J. Auchampach, and R. Bolli H1324
- Heat stress protects aged hypertrophied and nonhypertrophied rat hearts against ischemic damage
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Y. Murakawa, K. Sezaki, T. Yamashita, Y. Kanese, and M. Omata H1377
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H. Miura, D. A. Morgan, and D. D. Gutterman H1569
- Microstructural model of perimysial collagen fibers for resting myocardial mechanics during ventricular filling (**Modeling in Physiology**)
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J. Dupuis, C. A. Goresky, C. P. Rose, D. J. Stewart, P. Cernacek, A. J. Schwab, and A. Simard H1239
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K. C. Kregel, M. J. Kenney, M. P. Massett, D. A. Morgan, and S. J. Lewis H1537
- Finite-element simulation of blood perfusion in muscle tissue during compression and sustained contraction (**Modeling in Physiology**)
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- Synergistic vascular effects of dietary sodium supplementation and angiotensin II administration
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- Role of spinal NMDA and AMPA receptors in episodic hypertension in conscious spinal rats
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- Diminished vasomotor component of systemic arterial pressure signals and baroreflex in brain death
T. B. J. Kuo, H.-W. Yien, S.-S. Hseu, C. C. H. Yang, Y.-Y. Lin, L.-C. Lee, and S. H. H. Chan H1291
- Blood pressure variability responses to tilt are buffered by cardiac autonomic control
R. P. Sloan, R. E. DeMeersman, P. A. Shapiro, E. Bagiella, D. Chernikhova, J. P. Kuhl, A. S. Zion, M. Paik, and M. M. Myers H1427
- Smoking impairs baroreflex sensitivity in humans
G. Mancia, A. Groppelli, M. Di Rienzo, P. Castiglioni, and G. Parati H1555

A treadmill exercise regimen for identifying cardiovascular phenotypes in transgenic mice (**Special Communication**)

J. G. Fewell, H. Osinska, R. Klevitsky, W. Ng, G. Sfyris, F. Bahrehmand, and J. Robbins

H1595

Daily exercise attenuates the sympathetic nerve response to exercise by enhancing cardiac afferents (**Rapid Communication**)

S. E. DiCarlo, L. K. Stahl, and V. S. Bishop

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Priming effect of adenosine on K_{ATP} currents in intact ventricular myocytes: implications for preconditioning

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Role of β_1 - and β_2 -adrenergic receptors in regulation of Cl^- and Ca^{2+} channels in guinea pig ventricular myocytes

L. C. Hool and R. D. Harvey

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Dual effects of endothelins on the muscarinic K^+ current in guinea pig atrial cells

H. Yamaguchi, N. Sakamoto, Y. Watanabe, T. Saito, Y. Masuda, and H. Nakaya

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T. Y. Nakamura, W. A. Coetzee, E. Vega-Saenz De Miera, M. Artman, and B. Rudy

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Cytoskeleton modulates coupling between availability and activation of cardiac sodium channel

V. A. Maltsev and A. I. Undrovinas

H1832

cGMP level that reduces cardiac myocyte O_2 consumption is altered in renal hypertension

M. Straznicka, G. Gong, J. Tse, P. M. Scholz, and H. R. Weiss

H1949

Carbachol promotes Na^+ entry and augments Na/Ca exchange current in guinea pig ventricular myocytes

T. Saeki, J.-B. Shen, and A. J. Pappano

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Mechanism of atrioventricular nodal facilitation in rabbit heart: role of proximal AV node

T. Mazgalev, K. Mowrey, I. Efimov, G. J. Fahy, D. Van Wagoner, Y. Cheng, and P. J. Tchou

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Transient, isopeptide-specific induction of myocardial endothelin-1 mRNA in congestive heart failure in rats

E. Øie, L. E. Vinge, T. Tønnessen, H. K. Grøgaard, H. Kjekshus, G. Christensen, O. A. Smiseth, and H. Attramadal

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Ischemic preconditioning triggers phospholipase D signaling in rat heart

A. Tosaki, N. Maulik, G. Cordis, O. C. Trifan, L. M. Popescu, and D. K. Das

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Expression of adenine nucleotide translocator parallels maturation of respiratory control in heart in vivo

M. A. Portman, Y. Xiao, Y. Song, and X.-H. Ning

H1977

MCI-154, a Ca^{2+} sensitizer, decreases the oxygen cost of contractility in isolated canine hearts

K. Onishi, K. Sekioka, R. Ishisu, Y. Abe, H. Tanaka, M. Nakamura, Y. Ueda, and T. Nakano

H1688

LPS induces late cardiac functional protection against ischemia independent of cardiac and circulating $TNF-\alpha$

X. Meng, L. Ao, J. M. Brown, D. R. Meldrum, B. C. Sheridan, B. S. Cain, A. Banerjee, and A. H. Harken

H1894

Taurine depletion, a novel mechanism for cardioprotection from regional ischemia

S. N. Allo, L. Bagby, and S. W. Schaffer

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Three-dimensional residual strain in midanterior canine left ventricle

K. D. Costa, K. May-Newman, D. Farr, W. G. O'Dell, A. D. McCulloch, and J. H. Omens

H1968

- Left ventricular pressure response to small-amplitude, sinusoidal volume changes in isolated rabbit heart (**Modeling in Physiology**)
K. B. Campbell, Y. Wu, R. D. Kirkpatrick, and B. K. Slinker H2044
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E. Balcells, Q. C. Meng, W. H. Johnson, Jr., S. Oparil, and L. J. Dell'Italia H1769
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M. Challah, S. Nadaud, M. Philippe, T. Battle, F. Soubrier, B. Corman, and J. B. Michel H1941
- Gender and transcriptional regulation of NO synthase and ET-1 in porcine aortic endothelial cells
X. Wang, D. A. Barber, D. A. Lewis, C. G. A. McGregor, G. C. Sieck, L. A. Fitzpatrick, and V. M. Miller H1962
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M. J. Eppihimer, J. Russell, D. C. Anderson, B. A. Wolitzky, and D. N. Granger H1903
- Regulation of endometrial blood flow in ovariectomized rats: assessment of the role of nitric oxide
R.-S. Zhang, P. H. Guth, O. U. Scremin, R. Singh, S. Pervin, and G. Chaudhuri H2009
- PDGF-BB decreases systolic blood pressure through an increase in macrovascular compliance in rats
M. Ikeda, C. Morita, M. Mizuno, T. Sada, H. Koike, and K. Kurokawa H1719
- Endogenous nitric oxide on arterial hemodynamics: a comparison between normotensive and hypertensive rats
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- NO contributes to neurohypophysial but not other regional cerebral fluorocarbon-induced hyperemia in cats
B. P. Wagner, R. Stingle, M. A. Williams, D. A. Wilson, R. J. Traystman, and D. F. Hanley H1994
- Cerebral circulatory responses of near-term ovine fetuses during sustained fetal placental embolization
R. Gagnon, T. Lamb, and B. Richardson H2001

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- Pontine neurons are elements of the network responsible for the 10-Hz rhythm in sympathetic nerve discharge
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A novel phospholipase C- and cAMP-independent positive inotropic mechanism via a P2 purinoceptor <i>E. Podrasky, D. Xu, and B. T. Liang</i>	H2380
Ionic basis of ryanodine's negative chronotropic effect on pacemaker cells isolated from the sinoatrial node <i>J. Li, J. Qu, and R. D. Nathan</i>	H2481
Blockage of the HERG human cardiac K ⁺ channel by the gastrointestinal prokinetic agent cisapride (Rapid Communication) <i>S. Mohammad, Z. Zhou, Q. Gong, and C. T. January</i>	H2534
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Calcium transient alternans in blood-perfused ischemic hearts: observations with fluorescent indicator Fura Red <i>Y. Wu and W. T. Clusin</i>	H2161
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